



Material - ASTM B 574 N06455

Standard Specification for Low-Carbon Nickel-Chromium-Molybdenum, Rod

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 574 N06455 Low-Carbon Nickel-Chromium-Molybdenum, Rod

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Rod

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|---|--|
| Carbon | C % | 0.015 max. | As-Cast or Annealing or Age Hardning | |
| Silicon | Si % | 0.080 max. | | |
| Manganese | Mn % | 1.000 max. | | |
| Chromium | Cr % | 14.000 - 18.000 | | |
| Sulphur | S % | 0.030 max. | | |
| Molybdenum | Mo % | 14.000 - 17.000 | | |
| Phosphorus | P % | 0.040 max. | | |
| Cobalt | Co % | 2.000 max. | | |
| Iron | Fe % | 3.000 max. | | |
| Titanium | Ti % | 0.700 max. | | |
| Nickel | Ni % | Balance | Mechanical Properties Tensile Strength in Mpa 690 min. Yield Strength in Mpa 276 min. Elongation in % 40 min. Reduction of Area in % - Hardness in BHN - Impact in Joule - | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| B 575 N06455 | ASTM | USA | Plate, Sheet and Strip |
| B 619 N06455 | ASTM | USA | Pipe |
| B 622 N06455 | ASTM | USA | Pipe and Tube |
| B 626 N06455 | ASTM | USA | Tube |
| SB-575 N06455 | ASME | USA | Plate, Sheet and Strip |
| SB-619 N06455 | ASME | USA | Pipe |
| SB-622 N06455 | ASME | USA | Pipe and Tube |

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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